

**CLAIMS**

1. An arrangement in a swing door apparatus for the detection of door position, which swing door apparatus comprises an operation shaft (5), the turning of which follows the door movements, whereby the detection of door position is arranged to be provided by potentiometric means (13, 14) or the like, which are arranged operatively dependent on the turning angle of said operation shaft (5), **characterised** in that said potentiometric means (13, 14) comprise two potentiometers (13, 14), which have at least substantially identical characteristic curves and which are arranged in conjunction with a common shaft (12) so that they preferably find themselves in a phase shift of  $180^\circ$  with respect to one another.
2. A position detecting arrangement according to claim 1, **characterised** in that it comprises a control unit (19), for instance a programmable logic circuit or a microprocessor, which is arranged to select each time the potentiometer (13, 14) to be used for the detection of door position so that the position detecting is performed within the linear range of the potentiometer in use.
3. A position detecting arrangement according to any of the preceding claims, **characterised** in that said potentiometric means (13, 14) are arranged in conjunction with a rotatable member (11) dependent on the turning of said operation shaft (5).
4. A position detecting arrangement according to claim 3, **characterised** in that the rotational freedom of said rotatable member (11) corresponds to the swinging of the door from its closed position to the maximum opened position.
5. A position detecting arrangement according to claim 3 or 4, **characterised** in that said rotatable member is a gear wheel (11) or the like, which is me-

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chanically coupled to said operation shaft (5) and arranged to rotate said shaft (12) of the potentiometric means.

6. A position detecting arrangement according to any of the preceding  
5 claims, characterised in that the swing door apparatus comprises an electric motor (8) to be connected to said operation shaft (5) in a manner known per se, and a power source (18), and that said potentiometric means (13, 14) receive their power supply from said power source (18).

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